Patent claims

1. A ball socket for receiving a ball (10, 20) which has at least one elastically deformable region (6, 16).

2. The ball socket as claimed in claim 1, characterized in that the elastically deformable region (6, 16) consists of an elastically deformable material.

3. The ball socket as claimed in claim 1, characterized in that the elastically deformable region comprises an elastically deformable geometry.

4. The ball socket as claimed in one of claims 1 to 3, which is designed in such a way that it covers a ball portion, which is delimited by at least one circle (9, 19), of the ball (10, 20) that is to be received.

5. The ball socket as claimed in one of claims 1 to 4, which is designed in such a way that it covers a ball portion, which is delimited by two circles (9, 19) arranged parallel to one another and is designed as a ball layer, of the ball (10, 20) which is to be received.

6. The ball socket as claimed in one of claims 1 to 5, which has at least one gap (4, 14).

7. The ball socket as claimed in claim 6, in which the at least one gap (4, 14) is oriented perpendicular to the at least one circle (9, 19, 29).

8. The ball socket as claimed in either of claims 6 and 7, in which the elastically deformable region (6, 16) is designed as an elongate portion which is arranged diagonally with respect to the gap (4, 14).

9. The ball socket as claimed in claim 6 or 7, in which two gaps (4, 14) are arranged diagonally with respect to one another along a circumference of the ball (10, 20).

10. The ball socket as claimed in claim 9, in which the elastically deformable region (6, 16) is arranged in one of the two gaps (4, 14).

11. The ball socket as claimed in either of claims 4 and 5, in which the elastically deformable region (6, 16) is arranged between a first portion (30) and a second portion (31) of the circle (9, 19, 29) which delimits the ball socket.

12. The ball socket as claimed in one of claims 1 to 11, in which the elastically deformable region (6, 16) is of thin-walled design.

13. A rotatably mounted connecting arrangement for connecting a first part to a second part in a vehicle, in which the first part has a ball (10, 20) as connecting element and the other part has a ball socket (1, 11) as connecting element for receiving the ball (10, 20) as claimed in one of claims 1 to 11.